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STATION

May 28, 1990

Division of Environmental Quality
Bureau of New Source Review
401 E. State Street
CN-027
Trenton, NJ 08625-0027

Re: Application for Air Control Apparatus Permit

To whom it may concern:

Please find enclosed forms VEM-003 and VEM-004 and an Incinerator Source Data Sheet which are submitted in application for an Air Control Apparatus Permit. This permit is requested for the former Hexcel facility in Lodi, New Jersey, currently owned and operated by Fine Organics Corporation, in response to the requirements of ECRA Case No. 86009.

The air control apparatus is for treatment of emissions from an air stripper, which is to be used for removal of volatile organic compounds (VOCs) from extracted ground water. The VOCs in the air stripper emissions will be destroyed in a small incineration unit.

The BEECRA department of the NJDEP has indicated that a limited amount of time will be allowed for implementation of remediation activities at the facility, and in order that we may comply with their schedule, we request your expedience in reviewing this permit application. Please do not hesitate to call if you have any questions concerning this application.

Sincerely yours,



A. William Nosil
Corporate Environmental Engineering Manager

AWN\lr

cc: Steve Maybury, NJDEP
Jim Higdon, Fine Organics Corporation
Frank D'Ascensio, PVSC

SDMS Document



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NEW JERSEY STATE DEPARTMENT



OF ENVIRONMENTAL PROTECTION

BUREAU OF NEW SOURCE REVIEW

APPLICATION FOR
PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT
AND
CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

Source Emissions and Source Data Form

(Complete this form for each source and submit
with application Form VEM-003)

SECTION E	SOURCE INFORMATION			
	1. Source Description <u>AIR STRIPPER USED TO TREAT GROUND WATER CONTAINING VOLATILE ORGANIC COMPOUNDS</u>			
	2. Operating Schedule		10-1-90	
	<u>6</u> Hours/Day		<u>~ 2000</u> Hours/Year	
	3. % Annual Production Throughput By Quarter		Operation Starting Date	
SECTION F				
SECTION G	CONTROL APPARATUS ON SOURCE			
	Primary <u>INCINERATOR</u>		Capital Cost (Dollars) <u>\$65,000</u>	Annual Operating Cost (Dollars) <u>\$13,000</u>
	Secondary			
	Tertiary			
	AIR CONTAMINANTS FROM SOURCE			
	CONTAMINANT NAME		Maximum Emissions w/o Control (lbs./hr.)	Maximum Emissions with Control (lbs./hr.)
	<u>VOLATILE ORGANIC COMPOUNDS</u> (Includes Attached List)		<u>0.5</u>	<u>0.0005</u>
* Use VEM-004 Supplement if additional space if required.				

TO INSURE PROPER COORDINATION BETWEEN VEM-003 and VEM-004 FORMS, INSERT IDENTICAL COMPANY NAME AND DESIGNATION OF STACK FROM VEM-003, SIDE 1.

Full Business Name Hexcel CorporationCompany Designation of Stack(s) GWT-1

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BUREAU OF NEW SOURCE REVIEW

APPLICATION FOR
PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT
AND
CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENTTO: New Jersey Department of Environmental Protection
Bureau of New Source Review
CN 027, Trenton, N.J. 08625-0027

Read Instructions Before Completing Application

SECTION A	1. Full Business Name <u>Hexcel Corporation</u>
	2. Mailing Address <u>11711 Dublin Road</u> <u>Dublin</u> <u>CA</u> <u>94566</u> No. Street City County (if NJ) State Zip Code
	3. Division and/or Plant Name <u>Fine Organics Corporation</u>
	4. Plant Location <u>205 Main Street</u> <u>Lodi</u> <u>Bergen</u> No. Street City County
	5. Location of Equipment on Premises (bldg., dept., area, etc.) <u>Building I</u>
SECTION B	REASON FOR APPLICATION (Check One) <input type="checkbox"/> New Equipment without Control Apparatus <input checked="" type="checkbox"/> New Equipment with Control Apparatus <input type="checkbox"/> New Control Apparatus on Existing Equipment <input type="checkbox"/> Other (Explain) _____ <input type="checkbox"/> Modification to Existing Equipment <input type="checkbox"/> Modification to Existing Control Apparatus <input type="checkbox"/> Five Year Renewal of Certificate No. _____
	1. Nature of Business <u>Ground Water Treatment</u>
	2. Estimated Starting Date of Construction <u>7/1/90</u>
	3. Date Equipment to be put in use <u>8/1/90</u>
	4. Plant Contact <u>Jim Higdon</u> <u>Facility Manager</u> <u>(201 472-6800)</u> Name (print or type) Title Telephone No.
SECTION C	STACK INFORMATION (EQUIVALENT STACK INFORMATION)
	1. Company Designation of Stack(s) <u>GWT-1</u>
	2. Previous Certificate Numbers (if any for this stack) <u>N/A</u>
	3. a. Number of Sources Venting to this Stack <u>1</u> (Complete a separate VEM-004 for each source) b. Number of Stacks Venting Source Operation(s) <u>1</u> (Complete a separate VEM-003 for each stack)
	4. Distance to the nearest Property Line (ft.) <u>50</u>
	5. Stack Diameter (inches) <u>10"</u>
	6. Discharge Height Above Ground (ft.) <u>25'</u>
	7. Exit Temperature of Stack Gases <u>1550°F</u>
	8. Vol. of Gas Discharged at Stack Conditions (ACFM) <u>150-200</u>
9. Discharge Directions: <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Up <input type="checkbox"/> Down	

The information supplied on applications VEM-003 and VEM-004, including the data in supplements, is to the best of my knowledge true and correct.

William Nasil Corp. Env. Engr. Mgr. William Nasil 5-29-90
Name (print or type) Title Signature Date

This application will not be processed unless proper fee is submitted.

FOR ASSISTANCE CALL 1-800-441-0065

FOR DEPARTMENT USE ONLY	Log No. <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Fee <input type="text"/>	Eval. <input type="text"/>
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AIR CONTAMINANTS FROM SOURCE

Benzene
Chlorobenzene
Chloroethane
Chloroform
1,1-Dichloroethane
1,2-Dichloroethane
Trans-1-2-dichloroethylene
Ethylbenzene
Methylene chloride
Tetrachloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Toluene
Vinyl chloride
1,1,2,2-Tetrachloroethane
Carbon tetrachloride
1,1-Dichloroethene

SOURCE DATA SHEET - INCINERATORS

TYPE OF INCINERATOR (Make and Model, etc.): WATER RESOURCES ASSOCIATES
MODEL # AB19-10-SVS

PRIMARY CHAMBER INFORMATION:

Gross Heat Input: 1×10^7 Btu/hr.

Temperature in the Chamber: 1600 °F.

Fuel Burnt: Natural Gas

Residence Time of Gases in the Primary Chamber: 0.5 sec

SECONDARY CHAMBER INFORMATION:

Gross Heat Input: N/A Btu/hr.

Temperature in the Chamber: _____ °F.

Fuel Burnt: _____

Residence Time of Gases in the Secondary Chamber: _____ sec

What is the extent to which the organics are destroyed? 99.9 %

DESCRIBE THE WASTE BEING BURNT:

EMISSIONS FROM AIR STRIPPER CONTAINING VOLATILE ORGANIC COMPOUNDS

IS THERE ANY OTHER CONTROL DEVICE IN ADDITION TO THE SECONDARY CHAMBER? ☐ YES ☒ NO

IF 'YES' LIST THE CONTROL DEVICE USED AND PROVIDE ADDITIONAL INFORMATION AS PER THE ATTACHED CONTROL DATA SHEET.

EMISSIONS FROM THE INCINERATOR STACK:

Volume of gas discharged from the stack 150-200 (actual cu. ft. per min.)

Temperature of the stack gases 1550 °F.

Odor due to stack emissions, past the property line ☐ Yes ☒ No

Opacity due to stack emissions less than #1 on the Ringelmann scale ☐ Yes ☒ No

Visible fly ash emitted from the stack ☐ Yes ☒ No

PLEASE LIST THE EMISSION RATES OF THE FOLLOWING CONTAMINANTS: (Estimated Emissions)

Particulates: 0 pounds per hour, 0 grains per dry std cu. ft.

Carbon dioxide 0.6 pounds per hour

Sulfur oxides 0 pounds per hour

Water (or Steam) 0.2 pounds per hour

Nitrogen oxides 0 pounds per hour

Carbon monoxide 0 pounds per hour

Total organics < 0.001 pounds per hour

HCl 0.3 pounds per hour

Toxic volatile organics < 0.001 pounds per hour

Heavy metals (Cd, Cr, Ni, Zn, Cu, Pb, Hg) individually:

0 lbs/hr of Cd

0 lbs/hr of Cr

0 lbs/hr of Ni

0 lbs/hr of Zn

0 lbs/hr of Cu

0 lbs/hr of Pb

0 lbs/hr of Hg

0

0

(Over)

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